

## WHAT STARBASE CAN DO

Pre- and post-tests show that children who attend the STARBASE program can improve their understanding of science and math as it applies to aviation by 30% or more. Students report liking math and science better, and they begin to consider careers involving these skills. Most importantly, the positive mentoring of military men and women helps students come away from the program with improved confidence in their own ability to set and achieve goals.

## WHAT ELSE SHOULD I KNOW?

Using experiential learning, simulations, and experiments in aviation and space-related fields, STARBASE incorporates a fast-paced and motivational curriculum of hands-on activities, tours, classroom experiments, expert instructors, & speakers from the military and civilian community.

STARBASE is a five-day program. Students and teachers normally attend one day a week for five weeks during the school year. Students are transported by their home school district to the supporting South Dakota National Guard site. When scheduling doesn't permit a 5-day academy, some classes are offered a One Day Best of STARBASE.

STARBASE is funded through the Department of Defense with local donations helping to offset items not covered within the grant. For more information on how you may help with your tax exempt donations, please call:

(605) 367-4930 or (605) 737-6083

## STARBASE of South Dakota, Inc.

STARBASE, Sioux Falls and NOVA:

Susie Garrett, Director

STARBASE, Rapid City:

Judy Gorman, Director



## ONE TEACHER'S THOUGHTS:

"A caring and dedicated staff took a good program and transformed it into a once-in-a-lifetime memorable experience for my class of needy and underprivileged children."

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## STARBASE

Science & Technology Academies  
Reinforcing Basic Aviation and Space  
Exploration

## A National Guard Youth Program



Our Mission:

The mission of STARBASE is to provide innovative educational outreach programs in unconventional settings that focus on science, math, technology, positive personal goal setting, substance abuse prevention, and teamwork skills. Each STARBASE Academy site conducts a minimum of 700 hours of classroom contact per year allowing us to serve over 2500 fourth grade students in the 2005-2006 school year.

# Student Comments:

"At STARBASE, I had one of the best times of my life so far!"

"I learned it's hard building a rocket by yourself!"

"If STARBASE was open to anyone, I would be there all the time."

"My favorite activity was Eggbert. I learned how to work together."

"This is the best thing that's ever happened to me in my whole life."



## WHAT STUDENTS LEARN

Teamwork Skills	Goal-Setting Skills
Math	Aviation
Physics	Science
Model Rocketry	Computer Flight Simulation

### *Building on the Excitement of Aerospace, Students Are Encouraged to Seek Out Their Dreams.*

STARBASE seeks to overcome three of the most difficult problems facing today's youth: poor preparation in science, math, and technology; lack of personal direction; and the allure of substance abuse. STARBASE is a highly interactive academic enrichment program for students which actively involves students in hands-on, real world learning experiences that:

Ignite student interest in science, mathematics, and technology and increase knowledge and skills in these areas.

Demonstrate the negative effects of drugs, alcohol, and tobacco on healthy living organisms and stress the importance of maintaining a healthy, drug-free lifestyle.

Develop teamwork skills and provide real world, problem-solving activities to practice these skills.

Demonstrate the relevancy and use of science, technology, math, teamwork, and goal setting in the workplace.

Illustrate personal goal-setting skills and encourage students to identify actions they can initiate to achieve their personal goals.

Provide teachers with opportunities for classroom training and demonstrations of practical activities to maintain student interest in science, math, and technology.



## AN EXCITING, CHALLENGING CORE CURRICULUM

1. Newton's Laws of Motion
2. Four Forces of Flight
3. Bernoulli's Principle
4. Model Rocketry
5. Aircraft Control Surfaces & Components
6. Properties of Air
7. Development, Innovation and Use of Technology
8. Properties and States of Matter
9. Flight Simulation
10. Space Exploration
11. Goal Setting
12. Teamwork
13. Avoiding Substance Abuse

*dreams+action=Reality®*